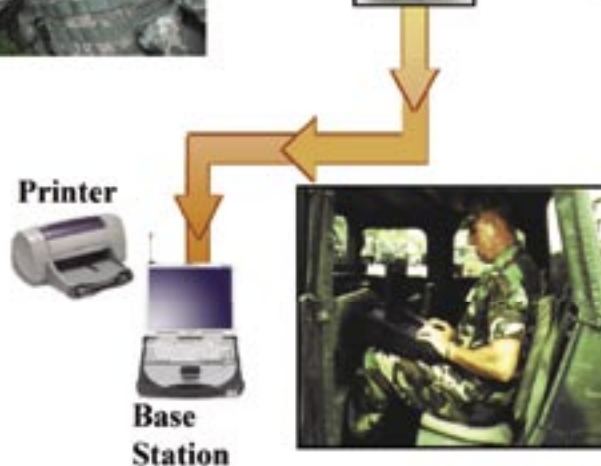


## Lightweight Video Reconnaissance System (LVRS)



The Lightweight Video Reconnaissance System (LVRS) provides Special Operations Commanders with near real-time images that can be used in conjunction with verbal and written reports from reconnaissance and surveillance elements to facilitate planning and preparation for combat units and to increase light force survivability.

### Performance Characteristics

The LVRS consists of a man-portable out-station used by surveillance, reconnaissance, or scout teams to capture, compress, and transmit still frame images over military communications back to a base station at higher echelon. Base stations will receive still frame images from out-stations and can exchange still frame images with other base stations. Performance requirements for LVRS include:

### Out-Station

**Field of View:**

- Wide = 10 degrees horizontal x 7 degrees vertical
- Narrow ~ 0.4 degrees horizontal x 0.28 degrees vertical

**Weight (maximum):** ~ 17.8 pounds

**Range (Out-Station to Target):**

- Daytime: 1,500 meters
- Nighttime: (Clear starlight 0.0001 foot-candles): 500 meters

**Continuous Operation:** 8 hours



